

### ABSTRACT

The present invention relates to a novel device for separating plasma from a whole blood sample on a treated microporous membrane. An advantage of the present invention is that the sample can be assayed on the membrane after separation has occurred. A lateral flow chromatographic assay membrane has a sample application zone, a separation zone, and an analysis zone. An erythrocyte binding agent is added to the membrane in an amount sufficient to bind any erythrocytes present in the sample. Methods for using such devices are disclosed also.

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